

The Mathematics Department Pillars of Curriculum Intent

In order to develop students that can SHINE brightly in Mathematics we will:

Develop disciplinary literacy

- Carefully select the vocabulary to teach and explore the etymology
- Promote the use of correct mathematical vocabulary
- Ensure students use more literacy in explaining their work

Use effective feedback

- Use feedback to investigate knowledge and understanding
- Provide feedback regularly and on specific pieces of work
- Ensure feedback is constructive and positive
- Give students lesson time to reflect on and improve their work based on feedback
- Promote a culture of self-improvement

Create a deep understanding of mathematical concepts

- Ensure that topics are interleaved in the curriculum, allowing for revisiting
- Highlight particular topics that link back to or signpost further work
- Ensure there is time to reflect on the network of mathematics through mastery lead learning

Bridge gaps in understanding and knowledge

- Assess the knowledge that students bring with them from previous learning
- Teach a curriculum that aims to make sure students have a thorough understanding of topics
- Run projects and interventions that complete previous gaps in understanding

Encourage experimentation and build resilience

- Plan and teach project-based topics that promote trial and improvement
- Make time to allow students to discuss different methods and their advantages and disadvantages
- Promote a culture in which effort is rewarded rather than attainment

Build cross-curricular links

- Time topics with other departments so essential mathematical knowledge is taught by subject specialists
- Plan and run cross-curricular projects to include PE, Science, Geography and ADT